

FORM PTO-1390 (Modified)
(REV 11-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

428.1

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

09/914964

INTERNATIONAL APPLICATION NO.

PCT/KR00/00177

INTERNATIONAL FILING DATE

7 March 2000

PRIORITY DATE CLAIMED

9 March 1999

TITLE OF INVENTION

A VITAL MATTER AND A PRODUCING METHOD

APPLICANT(S) FOR DO/EO/US

SONG, Si-Hoon

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
 - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 20 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
20. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
22. ☒ Certificate of Mailing by Express Mail
23. ☒ Other items or information:

Acknowledgement postcard

Unexecuted Declaration (2 pages)

| | | |
|----------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------|
| U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.445(a)(2)) 09/91494 | INTERNATIONAL APPLICATION NO. PCT/KR00/00177 | ATTORNEY'S DOCKET NUMBER 428.1007 |
|----------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------|

24. The following fees are submitted.:

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :

- ☒ Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO **\$1000.00**
- ☐ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO **\$860.00**
- ☐ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO **\$710.00**
- ☐ International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) **\$690.00**
- ☐ International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) **\$100.00**

ENTER APPROPRIATE BASIC FEE AMOUNT =**\$1,000.00**

Surcharge of **\$130.00** for furnishing the oath or declaration later than ☐ 20 ☒ 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).

\$130.00

| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
|---------------------------------------------------------------------------|--------------|--------------|-----------|---------------|--|
| Total claims | 5 - 20 = | 0 | x \$18.00 | \$0.00 | |
| Independent claims | 2 - 3 = | 0 | x \$80.00 | \$0.00 | |
| Multiple Dependent Claims (check if applicable). <input type="checkbox"/> | | | | \$0.00 | |

TOTAL OF ABOVE CALCULATIONS =**\$1,130.00**

☒ Applicant claims small entity status. (See 37 CFR 1.27). The fees indicated above are reduced by 1/2.

\$565.00**SUBTOTAL =****\$565.00**

Processing fee of **\$130.00** for furnishing the English translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).

\$0.00**TOTAL NATIONAL FEE =****\$565.00**

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). ☐

\$0.00**TOTAL FEES ENCLOSED =****\$565.00**

| | |
|------------------------|----|
| Amount to be: refunded | \$ |
| charged | \$ |

- a. ☐ A check in the amount of _____ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. **50-0217** in the amount of **\$565.00** to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **50-0217**. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

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**022856**

PATENT TRADEMARK OFFICE

SIGNATURE

Michael N. Mercanti

NAME

33,966

REGISTRATION NUMBER

September 6, 2001

DATE

CERTIFICATE OF MAILING "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): SONG, Si-Hoon

Docket No.
09/914964
428.1007

| | | | |
|------------------------------|-------------------------|---------------------|---------------------------|
| Serial No. To be assigned | Filing Date Herewith | Examiner Unknown | Group Art Unit Unknown |
|------------------------------|-------------------------|---------------------|---------------------------|

Invention: A VITAL MATTER AND A PRODUCING METHOD

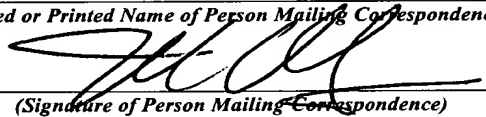
I hereby certify that the following correspondence:

Transmittal Letter to the U.S. Designated/Elected Office (2 pages, page 2 in duplicate)

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

September 6, 2001*(Date)*Michael N. Mercanti*(Typed or Printed Name of Person Mailing Correspondence)*
*(Signature of Person Mailing Correspondence)*EL 869 002 396 US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------|---------------------------|
| CERTIFICATE OF MAILING "EXPRESS MAIL" (37 CFR 1.10) | | Docket No. 09/914964 428.1007 | |
| Applicant(s): SONG, Si-Hoon | | | |
| Serial No. To be assigned | Filing Date Herewith | Examiner Unknown | Group Art Unit Unknown |
| Invention: A VITAL MATTER AND A PRODUCING METHOD | | | |
| <p>I hereby certify that the following correspondence:</p> <div style="border: 1px solid black; height: 50px; margin: 10px 0;"></div> <p style="text-align: center;"><i>(Identify type of correspondence)</i></p> <p>Specification (13 pages)</p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on</p> <p style="text-align: center;"><u>September 6, 2001</u> <i>(Date)</i></p> <div style="text-align: right; margin-top: 20px;"> <p><u>Michael N. Mercanti</u> <i>(Typed or Printed Name of Person Mailing Correspondence)</i></p>  <i>(Signature of Person Mailing Correspondence)</i> </div> <div style="text-align: right; margin-top: 10px;"> <p><u>EL 869 002 396 US</u> <i>("Express Mail" Mailing Label Number)</i></p> </div> | | | |
| <p>Note: Each paper must have its own certificate of mailing.</p> | | | |